

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1.-5. (Cancelled)

6. (Currently Amended) A pressure detection device having at least one configuration comprising:

a non-conductive intermediate elastic sheet having a plurality of holes through it;

two sheets with each having an inner conductive faces face backing onto both respective sides of said intermediate sheet so that they cover at least said plurality of holes leaving the respective inner conductive faces facing each other through said holes, so that when a certain predetermined external pressure forces is are applied between on said two sheets, by exerting a predetermined external pressure on at least one of said two sheets, at least one of said two sheetsdevice it is deformed such that at least a portion of said inner conductive faces face of a first one of the sheets establish a conductive contact contacts, directly or indirectly, at least a portion of said inner conductive face of a second one of the sheets between them through one or more of said plurality of holes, therefore forming to form at least one conductive circuit therebetween; and

at least one of the said conductive faces is distributed bycomprises a plurality of conductive areas, each of them said plurality of conductive areas overlyingeovering one or more of said plurality of holes depending on whether more or lessbased on a predetermined level of accuracy for the respective conductive area is desired, respectively, regarding the location of the hole through which said conductive contact has been made.

7. (Currently Amended) The device according to claim 6, wherein said distribution in said conductive areas of at least said conductive face, comprises different size conductive areas covering a different number of said plurality of holes.

8. (Previously Presented) The device according to claim 6, wherein at least one of the areas of the conductive faces of said conductive sheets, facing holes, has a suitable relief for facilitating the establishment of said conductive contact with the conductive face of the opposite sheet.

9. (Previously Presented) The device according to claim 8, wherein said contact facilitating relief is at least of the type included in the group made up of flat, pyramidal and conical type relieves.

10. (Currently Amended) The device according to claim 6, wherein at least one of said holes houses in its interior at least one mobile object that is conductive at least in the surface thereof, so that said conductive contact is established, ~~via a mobile object~~, between the two conductive faces of said conductive sheets covering said hole, ~~via said which is at least one mobile object~~, with less external pressure being applied to the device.

11. (Previously Presented) The device according to claim 10, wherein said mobile object has a rounded shape.

12. (Currently Amended) The device according to claim 6, wherein at least said inner conductive faces of said conductive sheets are suitable for producing, when said ~~certain predetermined~~ pressure is applied, an electrical or optical conductive contact, or a combination of both.

13. (Previously Presented) The device according to claim 6, wherein it comprises several of said configurations stacked on top of one another.

14. (Previously Presented) The device according to claim 13, wherein said configurations stacked on top of one another have common holes through which different conductive areas appear at different heights.

15. (Previously Presented) The device according to claim 6, wherein at least one of said conductive sheets, or insulating sheets backed onto the free surfaces of said conductive sheets, which can directly receive pressure impacts from small objects, has a relief that facilitates said small objects approaching or moving towards holes.

16. (Previously Presented) The device according to claim 6, wherein each conductive face and/or each of said conductive areas is connected to at least a contact through which it is possible to send a signal indicating conduction with the opposite face or area.

17. (Previously Presented) The device according to claim 16, wherein it comprises a system with at least one electrical or optical energy generator, or a combination of both, connected to at least one of said conductive faces and/or one of said conductive areas, and alarm devices connected at least to said contacts on said conductive faces and/or said conductive areas.

18. (Currently Amended) The device according to claim 16, ~~wherein it comprises further comprising~~ an electronic system with at least an integrated circuit, connected via corresponding wiring to the contacts on said conductive faces and/or said conductive areas to receive, following corresponding ~~digitalisation~~digitalization, said conduction indication signals and process them so that they can be interpreted to at least locate the area, or areas, where said ~~certain predetermined~~ pressure has been produced ~~is applied~~.

19. (Currently Amended) The device according to claim 18, wherein said integrated circuit is ~~suitable also adapted to measure a~~ ~~for measuring the~~ frequency with which said signals are produced and/or their variations according to ~~the~~an intensity of said pressure intensity.

20. (Previously Presented) The device according to claim 18, wherein said integrated circuit is suitable for sending information on said interpretation at least via electrical and/or optical means, via wiring or radio, by means of a corresponding antenna, and/or via a luminous or acoustic signal or via a screen.

21. (Previously Presented) The device according to claim 20, wherein said system comprises a reading device associated with said integrated circuit and suitable for receiving said information sent by said circuit.

22. (Previously Presented) The device according to claim 18, wherein said electronic system is associated with a system having at least one electrical or optical energy generator, or a combination of both, connected to at least one of said conductive faces and/or one of said conductive areas, and alarm devices connected at least to the contacts on said conductive faces and/or said conductive areas.

23. (Currently Amended) The device according to claim 10, wherein it comprises at least a portion of a shoe insole.

24. (Currently Amended) The device according to claim 18, wherein said electronic system comprises a microcomputer or a smart circuit and said device comprises at least a portion of a shoe insole.

25. (New) A pressure detection device comprising:
a first sheet comprising a first conductive surface and a first outer surface;
a second sheet comprising a second conductive surface and a second outer surface;
and

a non-conductive elastic sheet having a plurality of orifices extending therethrough, a first surface of the non-conductive elastic sheet fixedly attached to the first conductive surface and a second surface of the conductive elastic sheet fixedly attached to the second conductive surface,

wherein the first conductive surface and the second conductive surface are adapted to contact one another through at least one of said plurality of orifices in response to a first predetermined external pressure exerted on at least one of the first outer surface and the second outer surface.

26. (New) The pressure detection device according to claim 25, wherein, at least one of the first conductive surface and the second conductive surface comprises a plurality of conductive regions, each of said plurality of conductive regions overlying one or more of the plurality of orifices.

27. (New) The pressure detection device according to claim 25, further comprising at least one conductive element disposed within a respective orifice and adapted to freely move between all boundaries determined by the extent of the orifice, the at least one conductive element facilitating contact between the first conductive surface and the second conductive surface in response to a second predetermined external pressure exerted on at least one of the first outer surface and the second outer surface, said second predetermined external pressure less than the first predetermined external pressure.

28. (New) The pressure detection device according to claim 25, further comprising a circuit coupled to the first conductive surface and the second conductive surface and adapted to determine a location of the predetermined external pressure.